

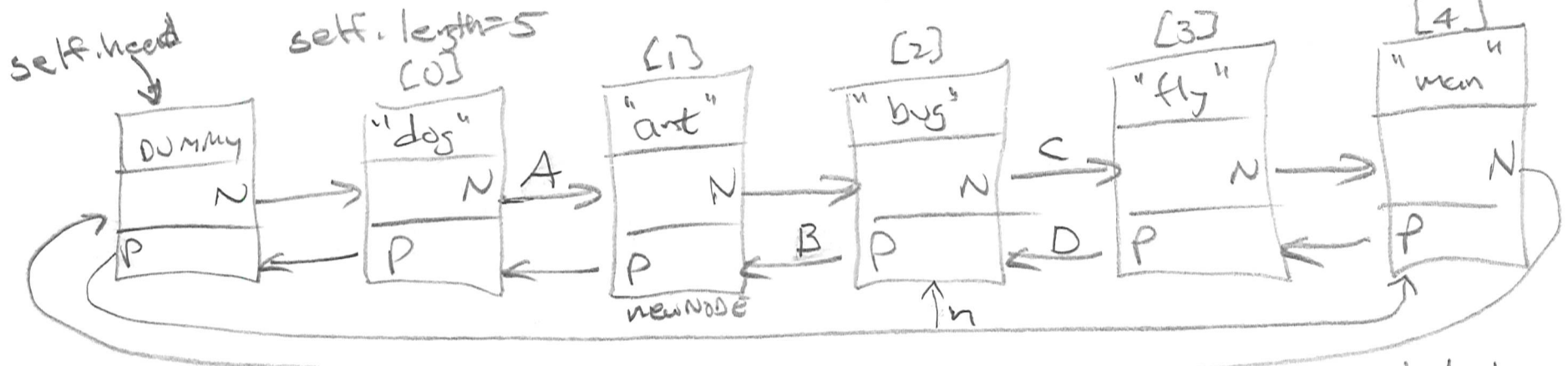
insert(1, "ant") #first walk "n" pointer to index

A is n.prior.next

C is n.next

B is n.prior

D is n.next.prior



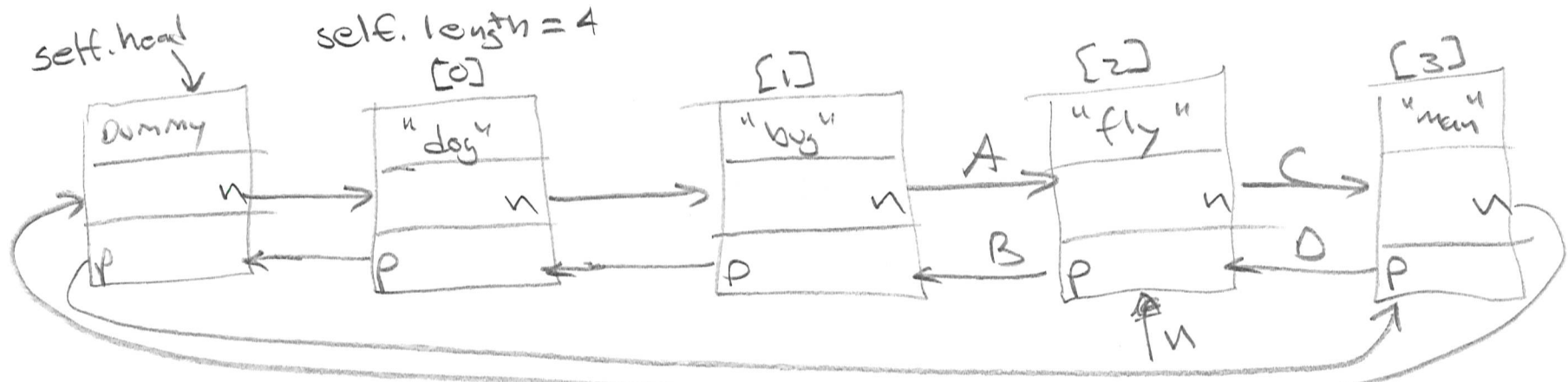
A new Node next needs to point to what A pointed to
 newNODE prior needs to point to what B pointed to

THEN
 UPDATE
 UPDATE

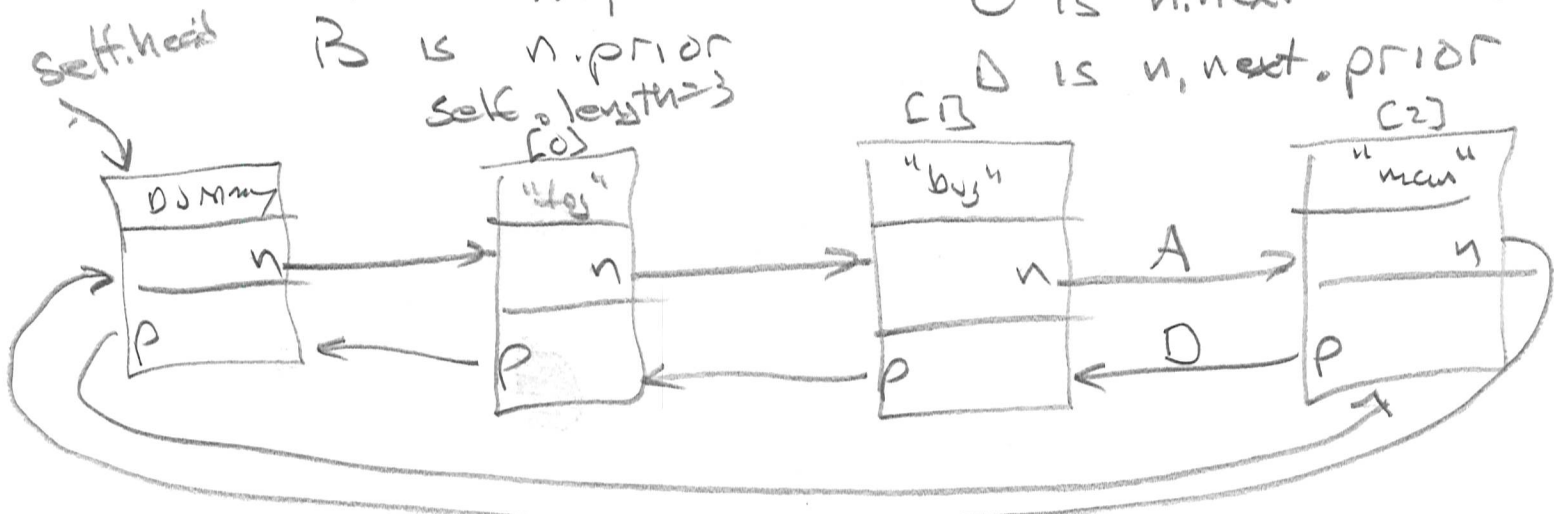
A TO POINT TO newNODE

B TO POINT TO newNODE

increment self.length



pop(a) # first walk "n" POINTER TO INDEX
 A IS n.prior.next C IS n.next # SAVE n.val FOR RETURN
 B IS n.prior
 D IS n.next.prior



UPDATE A TO POINT TO WHAT C POINTS TO
 UPDATE D TO POINT TO WHAT B POINTS TO
 DECREMENT self.length
 return saved n.val